

DEC 20 2005

RICK D. NYDEGGER  
BRENT B. LORIMER  
THOMAS R. VUKSINICK  
LARRY R. LAYCOCK  
JONATHAN W. RICHARDS  
DAVID R. WRIGHT  
JOHN C. STRINGHAM  
JOHN M. GUVIN  
CHARLES L. ROBERTS  
DIANA L. TANGREN  
ERIC L. MASCHOFF  
CHARLES J. VEVEKA  
ROBYN L. PHILLIPS  
RICHARD C. GILMORE \*  
STERLING A. BRENNAN  
R. BURNS ISRAELSEN  
DAVID R. TODD  
DAVID B. DELLENBACH  
L. DAVID GRUFFIN  
ADRIAN J. LEE  
FRANK D. ROY  
CARL T. REED

# WORKMAN | NYDEGGER

INTELLECTUAL PROPERTY ATTORNEYS

1000 EAGLE GATE TOWER  
60 EAST SOUTH TEMPLE  
SALT LAKE CITY, UTAH 84111  
TELEPHONE: (801) 533-9800  
FAX: (801) 328-1707  
WEBSITE: HTTP://WWW.WNLAW.COM

VIA FACSIMILE (571) 273-2885

PATENT APPLICATION  
Docket No. 15689.75

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Hidetoshi ONAKA et al.

Serial No.: 09/903,958  
Filing Date: July 12, 2001  
Confirmation No.: 9404

For:

MOBILE COMMUNICATION SYSTEM,  
MOBILE TERMINAL, SUBSCRIBER  
INFORMATION MANAGEMENT APPARATUS,  
MOBILE NETWORK SYSTEM, LOCATION  
AREA INFORMATION REGISTRATION  
METHOD AND CALL CONTROL METHOD

Customer No.: 022913

R. PARRISH FREEMAN, JR.  
PETER R. MALEN, JR.  
L. REX SEARS, PH.D.  
WILLIAM R. RICHTER  
ROBERT E. AYCOCK  
JENS C. JENKINS  
MICHAEL B. DODD  
KEVIN W. STINGER  
WILLIAM J. ATHAY  
RYAN D. BENSON  
SARA D. JONES  
TIGER KELLER  
JANNA L. JENSEN  
MATTHEW D. TODD  
J. LAVAR OLDHAM  
MICHAEL J. PRODSHAM  
BRETT A. HANSEN  
BRETT I. JOHNSON  
MATTHEW A. BARLOW  
WESLEY C. ROSANDER  
ANDREW S. HANSEN  
CHAD E. NYDEGGER  
JOSEPH G. PIA  
CLINTON E. DUKE  
RYAN N. FARR  
JAMES B. BELSHE  
KIRK R. HARRIS  
MICHAEL M. BALLARD  
DAVID A. JONES  
SHANE K. JENSEN  
JONATHAN M. BENNS, PH.D.  
SCOTT A. WOODBURY  
JOHN T. GADD  
MARK W. FORD  
AARON M. SMITH

VERNON R. RICE §  
OF COUNSEL

### TRANSMITTAL for REVOCATION AND SUBSTITUTE POWER OF ATTORNEY AND CHANGE OF ATTORNEY DOCKET NUMBER

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Transmitted herewith is a copy of the Revocation and Substitute Power of Attorney and Change of Attorney Docket Number that we originally filed on October 25, 2002 for entry in the above-identified application. We notice after conducting a recent audit of cases being handled by our law firm using the Patent Application Information Retrieval (PAIR) that the prior law firm of Brown, Raysman, Millstein, Felder & Steiner was still listed as the firm handling this

\* Admitted only in California  
§ Admitted only in Virginia

case. Please update your records to show that our firm of Workman Nydegger is the current firm handling the above-identified application.

Dated this 20<sup>th</sup> day of December, 2005.

Respectfully submitted,



ADRIAN J. LEE  
Attorney for Applicant  
Registration No. 42,785  
Customer No. 022913

AJL:ds  
DS0000004581V001

DEC 20 2005

**WORKMAN  
NYDEGGER  
& SEELEY**ATTORNEYS AT LAW  
A PROFESSIONAL CORPORATION  
1000 EAGLE GATE TOWER  
60 EAST SOUTH TEMPLE  
SALT LAKE CITY, UTAH 84111  
TELEPHONE (801) 533-8800  
FACSIMILE (801) 328-1707RICK D. NYDEGGER  
DAVID O. SEELEY  
BRENT P. LOFFNER  
THOMAS R. VUKSINICK  
LARRY R. LAYCOCK  
JONATHAN W. RICHARDS  
DAVID R. WRIGHT  
JOHN C. STRINGHAM  
JOHN M. GUYNN  
CHARLES L. ROBERTS  
GREGORY M. TAYLOR  
DANA L. TANGREN  
ERIC L. MASCHOFF  
CHARLES J. VEVERKA  
ROBYN L. PHILLIPS  
RICHARD C. GILMORE  
DAVID B. DELLENBACH  
R. BURNS BRAELSEN  
DAVID R. TODD  
L. DAVID GRIFFINJESUS JUANOS I TIMONEDA, Ph.D.  
ADRIAN J. LEE  
FRASER D. ROY  
CARL T. REED  
R. PARRISH FREEMAN, JR.  
PETER F. MALLEN, JR.  
L. REX BEARS, Ph.D.  
ERIC M. KAMERATH  
ROBERT E. AYCOCK  
JEAN C. JENKINS  
KEVIN W. STINGER  
WILLIAM J. ATHAY  
MICHAEL B. DODD  
WILLIAM R. RICHTER  
TRENT H. BAKER  
RYAN D. BENSON  
SARA D. JONES  
TIGHE KELLER

\*ADMITTED ONLY IN CALIFORNIA

PATENTS  
TRADEMARKS  
COPYRIGHTS  
TRADE SECRETS  
UNFAIR COMPETITION  
LICENSING  
COMPLEX LITIGATIONMAILING ADDRESS:  
P.O. BOX 45882  
SALT LAKE CITY, UT 84145INTERNET  
HOME PAGE: <http://www.wnspatent.com>  
GENERAL E-MAIL: [info@wnspatent.com](mailto:info@wnspatent.com)

EXPRESS MAILING LABEL NO. EL 733 591 392 US

PATENT APPLICATION  
Docket No: 15689.75

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Hidetoshi ONAKA et al.

Serial No.:

09/903,958

Filing Date:

July 12, 2001

Confirmation No.:

9404

For:

MOBILE COMMUNICATION SYSTEM,  
MOBILE TERMINAL, SUBSCRIBER  
INFORMATION MANAGEMENT APPARATUS,  
MOBILE NETWORK SYSTEM, LOCATION  
AREA INFORMATION REGISTRATION  
METHOD AND CALL CONTROL METHODArt Unit  
2634TRANSMITTAL FOR REVOCATION AND SUBSTITUTE POWER OF ATTORNEY  
and CHANGE OF ATTORNEY DOCKET NUMBERAssistant Commissioner for Patents  
Washington, DC 20231

Sir:

Transmitted herewith for filing is a Revocation and Substitute Power of Attorney and Change of Attorney Docket Number. Please address all future correspondence in connection with the above-identified patent application to the attention of the undersigned. Triplicate copies of this letter are enclosed.

Dated this 25<sup>th</sup> day of October, 2002.

Respectfully submitted,



ADRIAN J. LEE  
Attorney for Applicant  
Registration No. 42,785

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

**022913**

PATENT TRADEMARK OFFICE

DEC 20 2005

EXPRESS MAILING LABEL NO. EL 733 591 392 US

PATENT APPLICATION  
Docket No: 15689.75

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Hidetoshi ONAKA et al.

Serial No.:

09/903,958

Filing Date:

July 12, 2001

Confirmation No.:

9404

For:

Mobile Communication System, Mobile terminal  
Subscriber Information Management Apparatus,  
Mobile Network System, Location Area Information)  
Registration Method and Call Control MethodArt Unit  
2634REVOCATION AND SUBSTITUTE POWER OF ATTORNEYHonorable Commissioner of Patents  
and Trademarks  
Washington, DC 20231

Sir:

The undersigned, Yoshitaro Shimanuki, declares: that he is the Intellectual Property Executive Manager of NTT DoCoMo, Inc., and that he is authorized to execute this Revocation and Substitute Power of Attorney on behalf of NTT DoCoMo, Inc.; and that NTT DoCoMo, Inc. is the assignee of the entire interest of the above-identified application, as shown by the assignments recorded in the United States Patent Office at Reel 011992, Frame 0511, a copy of said assignment is attached at Exhibit A hereto; and that the attached assignment has been reviewed by him, and to the best of his knowledge and belief title is in the assignee NTT DoCoMo, Inc.. The assignee, NTT DoCoMo, Inc., hereby revokes all previous powers of attorney in the above-identified application, and now hereby appoints all attorneys under customer number:

**022913****PATENT TRADEMARK OFFICE**

of WORKMAN, NYDEGGER & SEELEY, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, Utah 84111, as attorneys with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the Letters Patent, and to transact all business in the Patent and Trademark Office connected therewith. The declarant further declares that all statements made herein of his own knowledge are true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the application or any patent issuing thereon. All correspondence and telephonic communications should be directed to:

ADRIAN J. LEE  
WORKMAN, NYDEGGER & SEELEY  
1000 Eagle Gate Tower  
60 East South Temple  
Salt Lake City, Utah 84111

All previous powers of attorney are hereby revoked.

Signed this 30 day of September, 2002.

*Yoshitaro Shimanuki*

---

Yoshitaro Shimanuki  
Intellectual Property Executive Manager  
NTT DoCoMo, Inc.  
11-1, Nagatacho 2-Chome  
Chiyoda-Ku  
Tokyo 100-6150, Japan

WA1568975VR60000000258V001.doc

**RECEIVED  
CENTRAL FAX CENTER**

**DEC 20 2005**

**WORKMAN NYDEGGER  
A PROFESSIONAL CORPORATION  
ATTORNEYS AT LAW  
1000 EAGLE GATE TOWER  
60 EAST SOUTH TEMPLE  
SALT LAKE CITY, UTAH 84111  
TELEPHONE (801) 533-9800  
FAX (801) 328-1707**

**TELECOPIER COVER SHEET**

December 20, 2005

Total Number of Pages  
(including cover letter):

16 pages

Please deliver the transmitted facsimile pages to:

**GROUP ART UNIT 2634**

United States Patent & Trademark Office

Business Phone (571) 272-2600

Telecopier Phone: (571) 273-8300

From: Dee So for ADRIAN J. LEE

Comments: Please see attached.

Serial No. 09/903,958

Docket No. 15689.75

\*\*\*\*\*  
We are transmitting from a Sharp FO-750 or Sharp FO-6100 facsimile machine. If you do not receive all the pages or they are unreadable, please contact me as soon as possible at (801) 533-9800.

**THE INFORMATION CONTAINED IN THIS FACSIMILE MESSAGE IS ATTORNEY PRIVILEGED AND CONFIDENTIAL INFORMATION INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY NAMED ABOVE. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, OR THE EMPLOYEE OR AGENT RESPONSIBLE TO DELIVER IT TO THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE IMMEDIATELY NOTIFY US BY TELEPHONE, AND RETURN THE ORIGINAL MESSAGE TO US AT THE ABOVE ADDRESS VIA THE U.S. POSTAL SERVICE. THANK YOU.**

DS0000004585V001

FILED VIA FACSIMILE**RECEIVED  
CENTRAL FAX CENTER****PATENT APPLICATION  
Docket No. 15689.75****DEC 20 2005****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Hidetoshi ONAKA et al.

Serial No.:

09/903,958

Art Unit  
2634

Filing Date:

July 12, 2001

Confirmation No.:

9404

For:

MOBILE COMMUNICATION SYSTEM,  
MOBILE TERMINAL, SUBSCRIBER  
INFORMATION MANAGEMENT APPARATUS,  
MOBILE NETWORK SYSTEM, LOCATION  
AREA INFORMATION REGISTRATION  
METHOD AND CALL CONTROL METHOD

Customer No.:

022913

**CERTIFICATE OF FACSIMILE TRANSMISSION**Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

I hereby certify that this paper is being facsimile transmitted to the Patent and Trademark Office from (801) 328-1707 to facsimile number (571) 273-8300 on the date shown below.

- Transmittal For Revocation And Substitute Power Of Attorney And Change Of Attorney Docket Number (2 pages)
- Revocation and Substitute Power of Attorney documents originally filed October 25, 2002
- Facsimile Coversheet (1 page)

Dated this 20<sup>th</sup> of December, 2005.

Respectfully submitted,



ADRIAN J. LEE  
Registration No. 42,785  
Attorney for Applicant  
Customer No. 022913



DEC 20 2005

EXPRESS MAILING LABEL NO. EL 733 591 392 US

PATENT APPLICATION  
Docket No: 15689.75

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Hidetoshi ONAKA et al.

Serial No.:

09/903,958

Art Unit  
2634

Filing Date:

July 12, 2001

Confirmation No.:

9404

For:

MOBILE COMMUNICATION SYSTEM,  
MOBILE TERMINAL, SUBSCRIBER  
INFORMATION MANAGEMENT APPARATUS,  
MOBILE NETWORK SYSTEM, LOCATION  
AREA INFORMATION REGISTRATION  
METHOD AND CALL CONTROL METHODCHANGE OF ATTORNEY DOCKET NUMBERHonorable Commissioner of Patents  
and Trademarks  
Washington, D. C. 20231

Sir:

For convenience and ready identification of the papers received in connection with the above-identified patent application, please reference in all future communications my Docket No. 15689.75. All communications should remain addressed to the undersigned:

ADRIAN J. LEE  
WORKMAN, NYDEGGER & SEELEY  
1000 Eagle Gate Tower  
60 East South Temple  
Salt Lake City, Utah 84111  
(801) 533-9800

Dated this 27th day of October, 2002.

Respectfully submitted,



ADRIAN J. LEE  
Attorney for Applicant  
Registration No. 42,785



**022913**

PATENT TRADEMARK OFFICE

AJL:jrr

# BEST AVAILABLE COPY

12/20/2005 17:32 FAX 8013281707

WORKMAN NYDEGGER

005/016



**POST OFFICE  
TO ADDRESSEE**

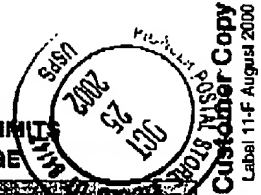


EL 733591392 US

UNITED STATES POSTAL SERVICE®

ORIGIN (POSTAL USE ONLY)		
PO ZIP Code 84111	Day of Delivery 10/25/02	Flat Rate Envelope <input type="checkbox"/>
Date In 10/25/02	Time 12 noon	Postage \$ 13.65
From 1430	Return Receipt Fee <input type="checkbox"/>	
Weight 4.5	COG Fee	Insurance Fee
No Delivery <input type="checkbox"/>	Acceptance/Mark Initials	Total Postage & Fees \$ 13.65

SEE REVERSE SIDE FOR  
SERVICE GUARANTEE AND LIMITS  
ON INSURANCE COVERAGE



Customer Copy  
Label 11-F August 2000

METHOD OF PAYMENT Express Mail Corporate Acct. No.		Federal Agency Acct. No. or Postal Service Acct. No.
FROM: (PLEASE PRINT) WORKMAN NYDEGGER & SEELEY 60 E SOUTH TEMPLE STE 1000 EAGLE GATE TOWER SALT LAKE CITY UT 84111-1011 USA 15689.75 AJL	TO: (PLEASE PRINT) ASSISTANT COMMISSIONER OF PATENTS WASHINGTON DC 20231-CC01	

FOR PICKUP OR TRACKING CALL 1-800-222-1811 WWW.USPS.COM

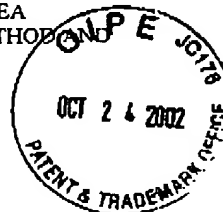


THE UNITED STATES PATENT AND TRADEMARK OFFICE:  
PLEASE STAMP AND RETURN. THANK YOU.

SUBMITTED: Transmittal for Revocation and Substitute Power of Attorney and Change of Attorney Docket Number (2 pgs, in triplicate); Revocation and Substitute Power of Attorney and Exhibit A (6 pgs); Change of Attorney Docket No. (2 pgs); postcard; and Certificate of Express Mailing Label No. EL 733 591 392 US

Applicant(s): Hidetoshi Onaka et al.  
For: MOBILE COMMUNICATION SYSTEM, MOBILE TERMINAL, SUBSCRIBER INFORMATION MANAGEMENT APPARATUS, MOBILE NETWORK SYSTEM, LOCATION AREA INFORMATION REGISTRATION METHOD, CALL CONTROL METHOD

Serial No.: 09/903,958  
Filed: July 12, 2001  
Confirmation No.: 9404  
Date of Mailing: OCT 25, 2002  
Docket: 15689.75



BEST AVAILABLE COPY

WORKMAN NYDEGGER

RECEIVED  
CENTRAL FAX CENTER

006/016

DEC 20 2005

EXPRESS MAILING LABEL NO. EL 733 591 392 US

PATENT APPLICATION  
Docket No: 15689.75

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Hidetoshi ONAKA et al.

Serial No.:

09/903,958

) Art Unit  
) 2634

Filing Date:

July 12, 2001

Confirmation No.:

9404

For:

MOBILE COMMUNICATION SYSTEM,  
MOBILE TERMINAL, SUBSCRIBER  
INFORMATION MANAGEMENT APPARATUS,  
MOBILE NETWORK SYSTEM, LOCATION  
AREA INFORMATION REGISTRATION  
METHOD AND CALL CONTROL METHODCERTIFICATE OF EXPRESS MAILING UNDER 37 C.F.R. § 1.10Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

I hereby certify that the following documents are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231, on this 26th day of October, 2002:

- Transmittal for Revocation and Substitute Power of Attorney and Change of Attorney Docket No. (2 pages, in triplicate)
- Revocation and Substitute Power of Attorney and Exhibit A (6 pages)
- Change of Attorney Docket Number (2 pages)
- Postcard

Respectfully submitted,



ADRIAN J. LEE  
Attorney for Applicant  
Registration No. 42,785



022913

EL733591392US

PATENT TRADEMARK OFFICE

W:\15689\75URJ0000001973V001.doc

DEC 20 2005

101786932  
PATENTS ONLY

ER SHEET

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
Hidetoshi ONAKA and Shoichi HIRATAAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: NTT DoCoMo, Inc.

Internal Address:

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_Street Address: 11-1, Nagatacho 2-chome,  
Chiyoda-ku

City: Tokyo Country: JAPAN ZIP: 100-6150

Additional name(s) & address(es) attached? ☐ Yes ☒ No

Execution Date: July 5, 2001

4. Application number(s) or patent number(s)

If this document is being filed together with a new application, the execution date of the application is: July 12, 2001

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom  
correspondence concerning document should be  
mailed:BROWN RAYSMAN MILLSTEIN FELDER &  
STEINER LLP

900 Third Avenue

New York, New York 10022  
(212) 895-20006. Total number of applications and patents  
involved: 1

7. Total fee (37 CFR 3.41):..... \$ 40.00

☒ Check enclosed☐ Authorized to be charged to deposit account

8. Deposit account number: 02-4270

(Attach duplicate copy of this page by deposit account)

Please charge any additional fees required, or credit any  
overpayment, to the above deposit account

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached  
copy is a true copy of the original document

Ralph F. Hoppin, Reg. No. 38,494

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks

Box Assignments

Washington, D.C. 20231

DO NOT USE THIS SPACE

Express Mail No. EL920637808US  
Mailing Date: July 12, 2001

BRMFS1 260635v1

Docket No. 3815/126

**ASSIGNMENT**

WHEREAS, we, 1) Hidetoshi ONAKA and 2) Shoichi HIRATA  
a citizen of Japan,  
residing at 1) #2-102, 2-1-3, Hayashi, Yokosuka-shi, Kanagawa 238-0315, Japan  
2) 2-1-35-404, Kotobuki-cho, Fuchu-shi, Tokyo 183-0056, Japan

have invented one or more inventions (hereinafter referred to as "said invention(s)")  
disclosed in an application for Letters Patent of the United States titled

**MOBILE COMMUNICATION SYSTEM, MOBILE TERMINAL, SUBSCRIBER INFORMATION  
MANAGEMENT APPARATUS, MOBILE NETWORK SYSTEM, LOCATION AREA  
INFORMATION REGISTRATION METHOD AND CALL CONTROL METHOD**

(hereinafter referred to as "said application"), said application having been executed on  
even date herewith or filed on \_\_\_\_\_ and assigned application  
Serial No. \_\_\_\_\_.

WHEREAS, NTT DoCoMo, Inc., (hereinafter together with its successors and  
assigns referred to as "the Assignee"), a Japanese corporation, having a place of business  
at

11-1, Nagatacho 2-chome, Chiyoda-ku, Tokyo 100-6150, Japan

is desirous of obtaining all right, title and interest in, to and under said invention(s) and  
said application; and

NOW, THEREFORE, for good and valuable considerations, the receipt and  
sufficiency of which we hereby acknowledge, we have sold, assigned, transferred and set  
over, and by these presents hereby sell, assign, transfer and set over to the Assignee all  
right, title and interest in, to and under said invention(s) and said application, including  
the right to apply for any Letters Patent of the United States of America and in any and all  
foreign countries on said invention(s), and any and all other applications for Letters Patent  
on said invention(s), in whatsoever countries, including all divisional, renewal, substitute,  
continuation, continuation-in-part and convention applications based in whole or in part  
upon said invention(s) or upon said application, and any and all Letters Patent which may  
issue thereon in the United States and foreign countries, and any and all reissues,  
extensions, renewals, divisions, continuations or continuations-in-part of Letters Patent  
granted for said invention(s) or upon said applications, to the full term or terms for which  
said Letters Patent may be issued, and every priority right that is or may be predicated  
upon or arise from said invention(s), said application and said Letters Patent, the same to  
be held and enjoyed by the Assignee for its own use and benefit fully and entirely as if the  
same would have been held and enjoyed by us had this Assignment not been made. We  
hereby authorize the Assignee to file patent applications in any and all countries on any or  
all of said invention(s) in our names, or in its name, or otherwise as the Assignee may deem  
advisable, under the International Convention or otherwise.

We hereby authorize the Commissioner of Patents and Trademarks of the  
United States, and any official of any other country empowered to issue patents, to record  
this Assignment, and to issue or transfer all said Letters Patent on said invention(s) to the  
Assignee as owner of all right, title and interest therein, or otherwise as the Assignee may  
direct, in accordance with the terms of this Assignment.

Docket No. 3815/126

We hereby represent and warrant that we have the full right to convey the entire right and interest herein assigned, that there are no rights or interests outstanding inconsistent with the rights and interests granted herein, and that we will not execute any instrument or grant or transfer any rights or interests inconsistent with the rights and interests granted herein.

We hereby covenant and agree that we will, upon request of the Assignee, communicate to the Assignee any facts known to us relating to said invention(s) and the history thereof, testify in any legal proceeding, execute all lawful papers including without limitation all divisional, continuing and reissue applications and all rightful oaths and declarations, and generally do all further acts which may be deemed necessary by the Assignee to obtain and enforce proper patent protection for said invention(s) in all countries.

IN TESTIMONY WHEREOF, we have executed this document on the date indicated below.

Date: July 5, 2001

Hidetoshi Onaka  
(Signature) Hidetoshi ONAKA

Date: July 5, 2001

Shoichi Hirata  
(Signature) Shoichi HIRATA



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

3815/126



\*101786932A\*

SEPTEMBER 25, 2001

PTAS

BROWN RAYSMAN MILLSTEIN ET AL.  
RALPH F. HOPPIN  
900 3RD AVENUE  
NEW YORK, NY 10022

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/12/2001

REEL/FRAME: 011992/0511  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

## ASSIGNOR:

ONAKA, HIDETOSHI

DOC DATE: 07/05/2001

## ASSIGNOR:

HIRATA, SHOICHI

DOC DATE: 07/05/2001

## ASSIGNEE:

NTT DOCOMO, INC.  
11-1, NAGATACHO 2-CHOME  
CHIYODA-KU  
TOKYO, JAPAN 100-6150

SERIAL NUMBER: 09903958

FILING DATE: 07/12/2001

PATENT NUMBER:

ISSUE DATE:

JEEVON JONES, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

